

6 December 1999

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Synthesis and some reactions of 2-sulfito-3-alkylthieno- and 2-sulfito-3-benzothienothiazolium betaines. Astrakhanseva, N. I.; Zhnyakov, V. G.; Abramenko, P. I. USSR, Sb. Nauch. Tr. Vses. N.-I. Projekta Inst. Koltz. - Fotogr. Prom-sti (1976), (23), 5-15. From: Ref. Zh. Khim. Khim. 1977, Abstr. No. 222n372. Journal written in Russian. CAN 88:91028 AN 1978:91028 CAPLUS

Abstract

Title only translated.

Indexing – Section 40-7 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)

Dyes

(thienothiazolium and benzothienothiazolium sulfio derivs. in prepn. of)

- 247-28-9DP, betaine sulfio derivs.
247-53-0DP, betaine sulfio derivs.
251-23-0DP, betaine alkyl sulfio derivs.
251-43-4DP, betaine alkyl sulfio derivs.
Role: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prep. and reactions of, in methine dye synthesis)

Supplementary Terms

thienothiazolium sulfio deriv dye; benzothienothiazolium sulfio deriv dye; sulfothienothiazolium dye

Answer 3:

Bibliographic Information

Polymethine dyes containing the radicals of 4,5-[5'-phenylthiophene(2',3')]-2-thiazole. Abramenko, P. I.; Zhnyakov, V. G.; Semnikova, N. I.; Krylova, M. V.; Kurepina, G. F.; Tashcheva, G. F. (All-Union Scientific-Research Institute of the Photographic Chemical Industry). U.S.S.R. (1972). CODEN: URXXAF SUJ 322167 19721103 Patent written in Russian. Application: SU 19690409. CAN 78:99051 AN 1973:99051 CAPLUS

Patent Family Information.....

Abstract

Polymethine dyes I ($\text{Y} = 4,5\text{-}[5'\text{-phenylthiophene}(2',3')]-2\text{-thiazole radical}$, $\text{Z} = \text{Y or a 5- or 6-membered heterocycle or 3,3-dimethylindoline}; \text{benzothiazole, benzoxazole, benzoselenazole, or their derivs.}; \text{R}_1\text{R}_1 = \text{substituted or unsubstituted alkyl, arylalkyl, aryl}; \text{R}_2 = \text{H, aryl, arylalkyl, aryl, X = acid radical, } n = 1 \text{ or } 2 \text{ and II } (\text{R}_3 = \text{unsubstituted or substituted alkyl, arylalkyl, aryl}) \text{ were prepared by the condensation of intermediates used in the synthesis of polymethine dyes with quaternary salts of 2-methyl-4,5-[5'-phenylthiophene(2',3')thiazole.}$

Patent Classifications

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IPC: G03C; C09B.

Indexing – Section 40-7 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)

Dyes, cyanine
(thienothiazole derivs.)

41339-32-6

Role: USES (Uses)
(cyanine dyes from)



Supplementary Terms

polymethine dye; thienothiazole polymethine dye; selenazole benzo dye